

Notice of Allowability

Applicati n No.

10/008,453

Examiner

Jennifer Doan

Applicant(s)

BAJORINS ET AL.

Art Unit

2874

-- **Th MAILING DATE f this communicati n appears on th c ver sheet with th correspondenc address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 05/03/2004.
2. ☒ The allowed claim(s) is/are 1-42.
3. ☒ The drawings filed on 05 December 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachm nt(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

Reasons for allowance

1. The following is an examiner's statement of reasons for allowance:

The prior art fails to disclose or reasonably suggest a method and an apparatus of an integrated optical component and a free space optical transceiver having a monolithic optically translucent substrate in which a plurality of optics are formed, including a receiver optic to receive a portion of an incoming beam and direct the optical beam toward the first focal point and a plurality of transmitter optics to receive light emitted from a respective light source placed adjacent to the respective focal point; a pickoff lens having a third focal point and configured to receive a tracking portion of the incoming optical beam and direct the tracking portion towards the third focal point and a first fold mirror configured to receive the tracking portion of the light beam and redirect it toward a first predetermined direction; wherein directing a portion of a first incoming optical signal is received by a first integrated optic component disposed in the second FSO transceiver towards a first optical beam position sensor using a plurality of optics defined in the integrated optic component as claimed in independent claims 1, 12, 19, 21, 24, 29, 34, 37, 39 and 41.

The examiner agrees with applicants' arguments on pages 3-6 in the remarks filed on May 3, 2004, and fully concurs that Solinsky reference does not disclose or suggest a monolithic integrated optical component including a receiver optic, transmitter

optics and a light source, which is disposed proximate to the respective focal point of the optics.

The newly cited reference, Broome et al. (U.S. Patent 6,496,465) disclose a monolithic molded hollow plastic block including three lenses integrally molded into its exterior surfaces. However, the monolithic molded hollow plastic block does not have a light source positioned close to the respective focal point of the lenses. Thus, Broome et al. also fail to disclose or reasonably suggest the limitations of the claimed invention.

Claims 1-42 are therefore allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Doan whose telephone number is (571) 272-2346. The examiner can normally be reached on Monday to Thursday from 6:00am to 3:30pm, second Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on (571) 272-2344. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jennifer Doan

JD
June 30, 2004

John D. Lee
John D. Lee
Primary Examiner